

Schedule

Location: Thomson House Ballroom

9:00 - 9:30 - Opening and coffee

9:30 - 9:40 - Welcoming remarks (Address from Chair Gregor Fussman)

9:40 - 10:30 - Session I

- **Felipe Pérez-Jvostov**: *Conserving Canadian inland waters: what is on the horizon?*
- **David Hunt**: *Genetic variation and isolation*
- **Claire Ramsay**: *The genetics of reproductive isolation: investigating the role of germline gene *Vasa* in *D. melanogaster*/*D. simulans* hybrids*
- **Siegfried Hekimi**: *There is no serendipity!*
- **Shannon Meadley Dunphy**: *Does host plant availability determine the upper range limit for a hemiparasitic plant?*
- **Yang Shao**: *The function and application of a transposase-like gene, *MUSTANG4* in *Arabidopsis thaliana**

10:30 - 10:45 - Break

10:45 - 11:20 - Session II

- **Ehab Abouheif**: *What you see is what you get: gynandromorphs in the ant *Pheidole obtusospinosa* show external (head) and internal (brain) mosaicism*
- **Charles Bazerghi**: *Fitness trade-offs: a quantitative review of local adaptation in aquatic ecosystems facing acidification*
- **Anna Cook**: *Exercise in a pill*
- **Erin Wall**: *Auditory perception shaped by developmental and social experiences*
- **Hans Larsson**: *TBD*
- **Jessica Ford**: *STEMM Diversity @ McGill*

11:20 - 11:45 - Prof debate I: Larsson, Green & Hendry

11:45 - 12:00 - Session III

- **Joanne Littlefair**: *Ecology with environmental DNA: from local to regional signal*
- **Susanne Kaitna**: *Cutting-edge equipment, service and expertise in your department*

12:00 - 1:00 - Lunch

1:00 - 2:30 - Equity and Diversity workshop (Address from prof Laura Nilson)
Presented by **Meryem Benslimane**

2:30 - 2:45 - Break

2:45 - 3:00 - Prof Debate II: Hendricks and Hekimi

3:00 - 3:30 - Session IV

- **Cole Larsen**: *Dispersal evolution in temporally variable microhabitats*
- **Alexandre Demers-Potvin**: *Cool Cretaceous fossil insects from Labrador: a new North American palaeontomofauna*
- **Kaushar Kagzi**: *Utility of eDNA and eRNA in monitoring freshwater zooplankton diversity under acidification stress*
- **Valentin Lucet**: *Socially realistic scenarios of land use change in Monteregie: implications for the conservation of ecological connectivity*

3:30 - 3:45 - Prof debate III: Hargreaves and Sunday

3:45 - 4:00 - Poster session setup

4:00 - 5:00 - Poster session

4:50 - Awards announcement

5:00 - 7:00 - Reception (room 404)

- 3min talk
- 6min talk

Posters

- 1) Neurogenetics of active sensing in *C. elegans* interneurons
Marie-Hélène Ouellette & Michael Hendricks
- 2) Temporal Heavy Metal enrichment in South-Eastern Canada
Alexandre Baud, Pierre Francus, John Smol & Irene Gregory-Eaves
- 3) Lessons from a large-scale Amazonian forest fragmentation experiment: Three decades of tree biomass and community composition dynamics:
Chloé Debyser, William F. Laurance, Ana C.S. Andrade, Susan G. Laurance, José L.C. Camargo, Thomas E. Lovejoy & Andrew Gonzalez
- 4) Motor contributions to vocal sequence learning biases
Logan S. James, Ronald Davies Jr., Chihiro Mori, Kazuhiro Wada & Jon T. Sakata
- 5) Environmental programming of adult foraging behavior
Sreeparna Pradhan, Sabrina Quilez, Kai Homer & Michael Hendricks.
- 6) Cyanobacteria Distribution and Dynamics Across a Wide Range of Canadian Lakes
Paul MacKeigan, Beatrix Beisner, Zofia Taranu, Frances Pick, Sébastien Sauvé, David Walsh & Irene Gregory-Eaves
- 7) SUN-1 and ZYG-12's impact on nucleolar assembly: Roles beyond the cytoskeleton and nucleoskeleton
Megan Couture & Stephanie C. Weber
- 8) Investigating *C. elegans* behavior in a naturalistic environment
Aurélie Guisnet, Malosree Maitra, Sreeparna Pradhan & Michael Hendricks
- 9) Using DNA metabarcoding to identify endangered and protected animals used in 泡酒 (steeped alcohol)
Charles C.Y. Xu, Jing Chen, Wenzhi Wang, Yunyu Wang, Dangshou Yang & Rowan D.H. Barrett

Featuring a virtual reality demonstration in the wings throughout the day!

Two Oculus GEAR VRs provided by the Redpath Museum

Presenting "Breaking Boundaries in Science" and National Geographic

And a photo contest!